Wilson County Flood Study Review Meeting

10 AM ◆ August 10, 2017

Commission Room ◆ Neodesha City Hall ◆ Neodesha, Kansas

KDA - Division of Water Resources
Topeka Field Office
6531 SE Forbes Avenue, Suite B
Topeka, KS 66619

Tara Lanzrath
Floodplain Mapping Spec.
785-296-2513
Tara.Lanzrath@kda.ks.gov

Dane Bailey, CFM
Mapping Coordinator
785-296-7769
Dane.Bailey@kda.ks.gov

Amec Foster Wheeler
Environment & Infrastructure
100 SE 9th Street, Suite 400
Topeka, KS 66612

Joe File, PE, CFM
Project Manager
785-554-9108
joe.file@amecfw.com

Joanna Rohlf, GISP, CFM
GIS Analyst
785-272-6830x3125
joanna.rohlf@amecfw.com

Draft Data FTP site:

This ftp site can be a bit tricky so follow these instructions. Copy and paste the ftp address into the address bar at the top of WINDOWS Explorer (not Internet Explorer), hit enter. RIGHT-click in the folder area and select "Login As", enter username and password. Folder is called **Wilson_FSR_Draft_Data**.

ftp://kda-ftp.kda.ks.gov
Login: floodplain
Password: Needh2o

*If you have any problems with the FTP site, please contact Dane or Tara (contact information listed above).

Important Upcoming Dates

1. Deadline to submit FSR Meeting comments	**October 6, 2017**
2. Estimated Preliminary Distribution of DFIRM	January 2018
3. Estimated Community Coordinator's Officer Meeting	February 2018
5. Appeals Period ** Dates depend on publication in Federal Register.*	April 2018 – July 2018
6. Letter of Final Determination ** No changes to the map are made after this time. This date is exactly six months prior to effective date of new maps.*	February 2019
7. Effective Date of New Maps	August 2019

Please note that all dates are subject to change, particularly after preliminary distribution as there are occurrences out of KDA or Amec FW's control that can affect schedule, such as publishing in the Federal Register. The number of comments and appeals can also affect schedule, which is part of the reason we believe it is important to discuss potential issues or questions early on in the process. We appreciate your participation at this time and look forward to working with you throughout the continuation of this process.

Process to create the maps

In 2016, Wilson County was selected for a Paper Inventory Reduction (PIR) project funded by FEMA. The PIR process was established to convert all remaining paper, non-digital flood maps to digital maps. As part of this project, new detailed Zone AE studies were performed for the Fall and Verdigris Rivers near Neodesha. A limited detail Zone AE study was performed for Salt Creek and Salt Creek Tributaries 1 & 3 near Fredonia. New floodplains for the remaining streams within the county that were either mapped previously or have 1 square mile of drainage or greater were created using Zone A analysis. The topography used to create the maps is LiDAR flown in 2013.

For the Neodesha detailed Zone AE streams, hydrology was developed for the 10, 4, 2, 1, 1-, 1+ and 0.2-percent-annual-chance flood events. Hydrology was developed from Gage Analysis performed on the Fall and Verdigris Rivers. Hydraulic Hec-Ras models were created using LiDAR topography to determine cross-section geometry. Bridges, culverts, weirs, and other structures were surveyed in the field and included in the hydraulic models for these detailed studies.

The hydrology for the Salt Creek and Little Cedar Creek watersheds were developed from a rainfall-runoff model, which was applied to the Zone A and Zone AE (Salt Creek watershed only) portions in these watersheds. Structures near Altoona and Fredonia were field measured to obtain the structure dimensions and material. These structures were also included in the Zone AE portion of the hydraulics. Hydraulic Hec-Ras models were created using LiDAR topography to determine cross-section geometry. The hydrologic and hydraulic analysis for these streams were developed for the 10, 4, 2, 1, 1-, 1+ and 0.2-percent-annual-chance flood events.

For the remaining Zone A streams, hydrology was developed for the 10, 4, 2, 1, 1-, 1+ and 0.2-percent-annual-chance flood events. Hydrology was developed from USGS regression equations. Hydraulic Hec-Ras models were created using LiDAR topography to determine cross-section geometry.

Data on FTP site:

- **Draft_DFIRM:** Shapefiles of the draft DFIRM data.
- **Changes Since Last FIRM (CSLF)**: This a shapefile showing the changes in the Special Flood Hazard Area from effective data to the new proposed data. This file that portrayed on the web map viewer (link below).
- **Profiles:** PDFs of the profiles for Zone AE studies.
- **FWDTs** (floodway data tables)**:** Excel spreadsheets of the floodway data tables for streams with the floodways.
- **Comments (due October 6, 2017):** Please send comments via email to Dane Bailey (Dane.Bailey@kda.ks.gov) and Joanna Rohlf (joanna.rohlf@amecfw.com). Comments can also be made through the KDA Web Map.
- ***Wilson_FSR.mxd:*** MXD with data on the FTP site loaded and symbolized. It does not contain topography or imagery, but they can be added to the MXD.

Project Web Sources

KDA is hosting a project website at: http://agriculture.ks.gov/divisions-programs/dwr/floodplain/mapping/mapping-projects/lists/mapping-projects/wilson-county

- This site features information about the project including the Hydrologic and Hydraulic reports and a web map to view the Wilson County CSLF data.
- The web map can be accessed directly at: http://gis2.kda.ks.gov/gis/wilson/
  - Comments may be directly submitted through the web map using a comment tool. Use the tool to draw a box around the area in question and fill out the associated text boxes with the pertinent comment information.

Map Review Process Prior to Preliminary Map Issuance

- Amec Foster Wheeler Internal Review
- Independent Technical Review (ITR)
- KDA Review
- **Community Review**: This is where we are at now.
- Public Review
- Public Open House
- The goal is to have all comments and questions answered prior to Preliminary Issuance, which will allow for a smoother process further along in the project.
- Official Comment/Appeal Period after Preliminary Issuance